Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 28 Dec 2021 until 23:59 on Wednesday 29 Dec 2021

Forecast Issued on Tuesday 28 Dec 2021 at 00:59

Confidence: Medium confidence at best in the details of the forecast particularly after day 2. Timing of frontal rain and cloud amounts are likely to change from the forecast written today, however the general pattern of milder air with frontal rain and periods of strong winds looks set for the week.

Headline for Tuesday 28 Dec 2021: A wet morning but drier later.

Mountain weather hazards on Tuesday 28 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy rain showers (night)	Light rain showers	Drizzle	Dull	Dull	Partly cloudy (night)
Precipitation probability					
70%	60%	40%	30%	30%	20%

Forecast for Tuesday 28 Dec 2021

Weather: An area of rain will push into the west of the Peak District in the morning with outbreaks of heavy rain expected at times especially in the west. The rain will be accompanied by strong winds for a time in the middle of the day leading to quite unpleasant conditions on the hills for a time. Rain will clear east in the afternoon becoming lighter and patchier in nature before eventually clearing to leave a mainly dry late afternoon, perhaps a few clearer spells appearing around dusk. A mainly dry evening with clear spells developing later in the night.

Chance of cloud free mountain/hill tops above 600m: 20 % widespread low cloud covering the tops associated with rain, improving to 40% by mid afternoon as rain clears east.

Visibility: Visibility will be quite poor throughout the day with periods of light and patchy drizzle and rain and also spells of heavier rain in the morning. Cloud will fall below the hill tops to around 4-500m, it will be quite extensive but will thin and lift a little in the afternoon but will still linger around 600m during the afternoon.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Tuesday 28 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/14 SE	13/17 W	14/20 NW	14/19 W	13/18 W	12/17 W	11/15 W
300	5/12 SE	9/14 W	11/16 NW	13/20 W	11/17 W	9/13 W	8/11 SW
Valley	5/12 E	6/12 W	8/15 NW	9/18 NW	8/15 W	6/12 W	5/10 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/4	4/0	5/1	5/1	4/0	4/-0	4/-0
300	8/6	6/4	7/4	7/3	6/3	6/3	5/3
Valley	8/6	7/5	8/5	7/5	7/4	6/4	6/4
Freezing Level*	1700m	1500m	1600m	1500m	1400m	1300m	1200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Strong winds for a time during the day and this along with heavy rain will give quite chilly conditions.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 28 Dec 2021	6mm	6mm	19mm

Forecast for Wednesday 29 Dec 2021

Weather: A dry night period with some clear periods but soon clouding over in the morning with some rain spreading in from the west in the morning, the rain will clear through after a couple of hours but may be heavy for a time. Cloud clearing in the afternoon but feeling quite a lot fresher after the rain.

Maximum wind: Strong southwesterly winds, 20mph with gusts 30-35mph.

Chance of cloud free mountain/hill tops above 600m: 30% in the morning as frontal rain moves across the area but improving to 80% in the afternoon as rain and cloud clear.

Visibility: Visibility will be moderate or poor in the morning as moderate or heavy rain moves across the area with broken cloud bases above 500m, during the afternoon visibility will become very good and only patches of lower cloud around 600m.

Temperature: **Valleys:** Plus 5 rising to 11 Celsius.
At 600m: Plus 3 rising to 8 Celsius.
Freezing level: Above all summits in the milder air.

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